Announcements and Administrative Stuff

◆ Final presentation template posted on Recitations page
  • Due: Sunday Dec 1\textsuperscript{th} at 5 PM

◆ Project 13 due Tuesday 10\textsuperscript{th} Dec

◆ Demos can be scheduled beginning Monday 2\textsuperscript{nd} Dec
  • You will be allowed 5 chances to demo
    ■ 4 Practice demos: 2 with EPIC test, 2 without
    ■ 1 final demo
  • Set up a time with a TA in advance for demos
  • If you tell the TA to grade your demo early you cannot change your submission (traceability etc.) after that point
    ■ That will be your final submission
  • Demo on final day is your final demo, unless you had it early
  • All group members must be present at the demo
Weekly Progress Update Page

◆ Fill these in status reports every week by the deadline

◆ http://www.ece.cmu.edu/~ece649/progress/

◆ Your participation grade *heavily* depends on these reports
  • Participation is 5% of total grade

◆ Weekly progress updates due every week **Friday 9:00 PM**

◆ Everyone submits one report each week
  • Even if they’re late, we still want them (Standard late penalties apply)

◆ All students should be able to access the progress page
  • If for some reason you cannot email us your progress before the deadline
Course Project Exit Criteria

- **Run Time Monitor Must Be Implemented**
  - Pass all unit tests with zero failed assertions
  - Pass all integration tests with zero failed assertions
  - This ensures you will pass ours

- **Pass all acceptance tests**
  - Using -b 200 and -fs 5.0
  - Zero failed assertions (after startup)

- **Must have a working elevator to complete the course**
  - "Working" means passes the set of tests listed on the final project web page
  - Non-working results in Incomplete if you don’t get it working by grade deadline
Extra Credit Opportunities

+0.5% final grade for a fault tolerant elevator
   Need to enable tolerance under dropped messages (25% to 50% dropped)
   Need to submit two complete portfolios
      One with fault tolerance
      One without – only this one is graded for completeness
   Fault tolerance will slow down your elevator

+1% final grade for best elevator (one group only)
   Rank groups by average performance and satisfaction across acceptance tests

+1% final grade for complete and consistent design portfolio
   All groups are eligible for this
Performance Competition

- Two performance metrics
  - Delivery Performance – efficiency of elevator
  - Satisfaction Performance – passenger satisfaction
- Existing and new acceptance tests will be used
- A rank will be awarded for each workload for each metric (1 - 10)
- Over all group score will be sum of all the ranks for each workload
- Group with the lowest sum will be the winner
- Ties will be broken based on scores received for each metric
- Winner will get 1% extra on the final course grade
Suggestions for Project 13

◆ Impose a “code freeze” as soon as possible
  • Stop changing code as soon as your design reliably passes all tests
  • No new features, no new fixes, no new comments or cleaning
  • If it works, stop fixing it, and archive a COMPLETE COPY somewhere safe
    – “Safe” does not mean in the same directory structure as your 649 working copies
    – “Safe” means write-protected
    – Version control is very effective, but nothing is perfect!
    – Keep all your different “this one works” copies until you get your final course grade
  • If you edit a single line of code (even a comment), re-run ALL tests

◆ When submitting your code
  • Do a clean export from version control and upload it
  • Extract a new clean copy of the simulator framework in a new directory
  • Download what you submitted and insert it into the new simulator
  • Recompile (make clean) and re-run all your tests

◆ Focus on traceability as soon as you can (it’s worth A LOT of points)
  • End to End traceability is required for this project
  • Tweak performance after you have a clean, traceable hand-in so you don’t get caught short on time
Questions?